

FORM PTO-1370
(REV. 11-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

30434.4USWO

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

09/869820

INTERNATIONAL APPLICATION NO.
PCT/US00/00179

INTERNATIONAL FILING DATE
January 5, 2000

PRIORITY DATE CLAIMED
January 5, 1999

TITLE OF INVENTION

METHODS FOR TREATING CONDITIONS ASSOCIATED WITH THE ACCUMULATION OF EXCESS EXTRACELLULAR MATRIX

APPLICANT(S) FOR DO/EO/US

Nancy A. Noble, Wayne A. Border and Daniel A. Lawrence

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☒ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A FIRST preliminary amendment.
14. ☐ A SECOND or SUBSEQUENT preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. ☒ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: transmittal sheets, postcard, application data sheet

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|--|---|--|
| U.S. APPLICATION NO. (if known) 09/869820 | INTERNATIONAL APPLICATION NO. PCT/US00/00179 | ATTORNEY'S DOCKET NUMBER 30434.4USWO |
|--|---|--|

| 21. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1000.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$860.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$710.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$690.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00 ENTER APPROPRIATE BASIC FEE AMOUNT = | CALCULATIONS PTO USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------------------|--------------|--------------|-------------|----|--------------|-----------|----|-----------|-----------|--------------------|---------|---|-----------|-----------|---|--|--|--|------------|--------------------------------------|--|--|--|-------------|----|--------|
| Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | \$ | 690.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">CLAIMS</th> <th style="width: 20%;">NUMBER FILED</th> <th style="width: 20%;">NUMBER EXTRA</th> <th style="width: 20%;">RATE</th> <th style="width: 20%;">\$</th> </tr> <tr> <td>Total claims</td> <td>55 - 20 =</td> <td>35</td> <td>x \$18.00</td> <td>\$ 630.00</td> </tr> <tr> <td>Independent claims</td> <td>9 - 3 =</td> <td>6</td> <td>x \$80.00</td> <td>\$ 480.00</td> </tr> <tr> <td colspan="4">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$270.00</td> </tr> <tr> <td colspan="4">TOTAL OF ABOVE CALCULATIONS =</td> <td>\$ 1.800.00</td> </tr> </table> | CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | \$ | Total claims | 55 - 20 = | 35 | x \$18.00 | \$ 630.00 | Independent claims | 9 - 3 = | 6 | x \$80.00 | \$ 480.00 | MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | | + \$270.00 | TOTAL OF ABOVE CALCULATIONS = | | | | \$ 1.800.00 | \$ | 900.00 |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | \$ | | | | | | | | | | | | | | | | | | | | | | | |
| Total claims | 55 - 20 = | 35 | x \$18.00 | \$ 630.00 | | | | | | | | | | | | | | | | | | | | | | | |
| Independent claims | 9 - 3 = | 6 | x \$80.00 | \$ 480.00 | | | | | | | | | | | | | | | | | | | | | | | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | | + \$270.00 | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ 1.800.00 | | | | | | | | | | | | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | \$ | 900.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUBTOTAL = | \$ | 900.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | \$ | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL NATIONAL FEE = | \$ | 900.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + | \$ | 40.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FEES ENCLOSED = | \$ | 940.00 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Amount to be refunded: | \$ | | | | | | | | | | | | | | | | | | | | | | | | | |
| | charged: | \$ | | | | | | | | | | | | | | | | | | | | | | | | | |

a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.

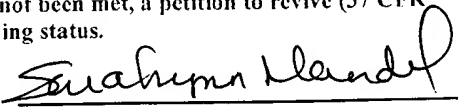
b. ☒ Please charge my Deposit Account No. 50-0306 in the amount of \$ 940.00 to cover the above fees.
 A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any
 overpayment to Deposit Account No. 50-0306. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card
 information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR
 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:
 SaraLynn Mandel
 Mandel & Adriano
 35 N. Arroyo Parkway, Suite 60
 Pasadena, California 91103


 SIGNATURE
 SaraLynn Mandel
 NAME
 31,853
 REGISTRATION NUMBER

09/869820

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JC18 Rec'd PCT/PTO 05 JUL 2001

Applicant: Nancy A. Noble, Wayne A. Border and Daniel A. Lawrence
Docket: 30434.4USWO
Title: METHODS FOR TREATING CONDITIONS ASSOCIATED WITH THE ACCUMULATION OF EXCESS EXTRACELLULAR MATRIX

CERTIFICATE UNDER 37 CFR 1.10

'Express Mail' mailing label number: ET094879550US

Date of Deposit: July 5, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

By:

Name: Renato Marco P. Domingo

BOX PCT

Assistant Commissioner for Patents
 Washington, D.C. 20231

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal sheet, in duplicate, containing Certificate under 37 CFR 1.10.
- ☒ Utility Patent Application: Spec. 41 pgs; 55 claims (7 pages); Abstract 1 pg.
The fee has been calculated as shown below in the "Claims as Filed" table.
- ☒ 13 sheets of drawings
- ☒ A copy of the executed assignment of the invention to University of Utah, Recordation Form Cover Sheet (7 sheets)
- ☒ Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C 371 (4 sheets)
- ☒ PCT Published Application WO00/40227
- ☒ Copy of Communication RE: Amendment to the claims (11 pages)
- ☒ Executed Combined Declaration and Power of Attorney (6 sheets)
- ☒ Application Data Sheet (2 sheets)
- ☒ Return postcard

CLAIMS AS FILED

| Number of Claims Filed | | In Excess of: | | Number Extra | | Rate | | Fee |
|------------------------------|---|---------------|---|--------------|---|-------|---|----------|
| Basic Filing Fee | | | | | | | | \$345.00 |
| Total Claims | | | | | | | | |
| 55 | - | 20 | = | 35 | x | 9.00 | = | \$315.00 |
| Independent Claims | | | | | | | | |
| 9 | - | 3 | = | 6 | x | 40.00 | = | \$240.00 |
| MULTIPLE DEPENDENT CLAIM FEE | | | | | | | | \$0.00 |
| TOTAL FILING FEE | | | | | | | | \$900.00 |

Please charge the total fees and any additional fees or credit overpayment to Deposit Account No. 50-0306. A duplicate of this sheet is enclosed.

MANDEL & ADRIANO

35 N. Arroyo Parkway, Suite 60
 Pasadena, CA 91103
 (626)395-7801

By:

Name: SaraLynn Mandel

Reg. No.: 31,853

Customer No. 26,941